

Recombinant Full Length Human SGSH Protein, GST-tagged

Cat. No. SGSH-474HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SGSH (1 a.a. - 502 a.a.) fused with GST-tag at N-terminal, was expressed in vitro wheat germ expression system.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	502 amino acids
Description	This gene encodes one of several enzymes involved in the lysosomal degradation of heparan sulfate. Mutations in this gene are associated with Sanfilippo syndrome A, one type of the lysosomal storage disease mucopolysaccharidosis III, which results from impaired degradation of heparan sulfate. Transcripts of varying sizes have been reported but their biological validity has not been determined.
Molecular Mass	83.1 kDa
AA Sequence	MSCVPACCA LLLVLGLCRA RPRNALLLLA DDGGFESGAY NNSAIATPHL DALARRSLLF RNAFTSVSSC SPSRASLLTG LPQHQNMGMYG LHQDVHHFNS FDKVRSLPLL LSQAGVRTGI IGKKHVGPEP VYPFDFAYTE ENGSLVQVGR NITRIKLLVR KFLQTQDDRP FFLYVAFHDP HRCGHSQPQY GTFCEKFGNG ESGMGRIPDW TPQAYDPLDV LVPYFVPNTP AARADLAAQY TTVGRMDQGV GLVLQELRDA GVLNDTLVIF TSDNGIPFPS GRTNLYWPGT AEPLLVSSE HPKRWGQVSE AYSVLLDLTP TILDWFSIPY PSYAIFGSKT IHLTGRSLLP ALEAEPLWAT VFGSQSHHEV TMSYPMRSVQ HRHFRLVHNL NFKMPFPIDQ

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DFYVSPTFQD LLNRTTAGQP TGWYKDLRHY YYRARWELYD RSRDPHETQN
LATDPRFAQL LEMLRDQLAK WQWETHDPWV CAPDGVLEEK LSPQCQPLHN EL

Applications

ELISA; WB

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

SGSH N-sulfoglucosamine sulfohydrolase [Homo sapiens]

Official Symbol

SGSH

Synonyms

SGSH; N-sulfoglucosamine sulfohydrolase; HSS; MPS3A; mucopolysaccharidosis type IIIA; SFMD; sulfamidase; heparan sulfate sulfatase; sulfoglucosamine sulfamidase; N-sulphoglucosamine sulphohydrolase; EC 3.10.1.1; Sulfoglucosamine sulfamidase; Sulphamidase

Gene ID

6448

mRNA Refseq

NM_000199

Protein Refseq

NP_000190

MIM

605270

UniProt ID

P51688

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